



Process: UV flexoprint
Product: Sleeves

70 % Shrinkage with Sleeves Using Radical Polymerizing Inks

39-3 Opaque white 1170
Product number: 81-011000-7



As a general rule, free-radically cured UV white printing ink cracks when subjected to severe shrinkage. However, this is not the case for the highly opaque white in the UV SICURA FLEX 39-3 radical series. This new white can be **severely shrunk** (up to 70 %), something that could only be achieved previously using cationic UV inks. In contrast, **radical curing allows significantly faster printing speeds** compared to cationic curing, which means a significant increase in efficiency on long print runs.

This white can be used on all commonly available shrink films (such as PVC, PET, OPS). Other benefits are outstanding opacity and a barely perceptible odor. ◆

Process: UV offset
Product: Metallic labels

Cold Foil Varnish for UV Offset

41-2 Cold Foil Adhesive 0001
Product number: 75-000159-5

Cold Foil printing is rapidly growing in importance thanks to its **significant cost savings when compared to hot foil embossing**. The greatest benefits are: elimination of the hot embossing plates, shorter set-up times and reduced waste.

The new UV varnish for Cold Foil printing has been successfully tested on a wide variety of plastic materials. It is applied «wet plate» on an offset unit enabling **half-tone subjects and extremely fine details** to be reproduced. Printing speeds of 50 m/min inline are easily achieved. The process also works with paper, but a larger quantity of varnish must be applied due to the absorbent nature of the substrate. ◆



Offset press with Cold Foil laminating unit

Cold Foil printing: UV varnish is partially printed onto the substrate. The metallic foil is applied and pressed firmly onto the substrate. Free-radical polymerization takes place through the metallic foil which bonds the metallisation to the substrate at the varnished areas. The foil with the surplus metallisation is then pulled off.

Process: UV flexoprint
Product: Labels

New, Sensational Flexoprint Matte Varnish

39-0 Matte varnish 0001
Product number: 85-600347-0

Highly attractive effects can be achieved through the alternating use of UV matte and gloss varnishes. From a technical perspective, UV matte varnishes often possess an undesirable property of poor flow in the varnishing unit.

With the use of a **new-generation matting agent and special wetting additives**, Siegwerk has succeeded in producing a low viscosity matte varnish with good flow characteristics thanks to the matting agent's homogeneous particle size.

The new, exceptionally high-quality matte varnish forms an **evenly matte surface**, is exceptionally easy to process and maintains its **constant low viscosity** in the varnishing unit. ◆





Process: UV flexoprint
Product: Labels on foodstuffs

Silicone-free Series Improved

UV SICURA FLEX 39-9P SF

Due to its low susceptibility to migration and barely perceptible odor, this series is mainly used for printing **labels in the foodstuffs sector**. Thanks to the absence of silicone, a printed product can easily be overprinted (e.g. in thermal transfer printing) and embossed.

The printing inks in this series now exhibit **significantly lower viscosity** and lower **thixotropy**. This has significantly improved the flow of the ink. Both block areas and half-tones can be perfectly printed. The introduction of a new ingredient has made it possible to formulate this series in such a way that the inks adhere extremely well, even on critical substrates. ◆

Thixotropy – the property of certain liquids to become jelly-like in storage, returning to their liquid condition once again upon stirring or shaking.

Process: UV screen print,
UV flexoprint, UV letterpress
Product: Labels

Daylight Fluorescent Inks – Now Even More Striking

UV SICURA FLEX 39-4



Yellow luminous smileys; red «special-offer» stickers; increased impact and attention-getting value thanks to powerful effects ...

The incorporation of new luminous pastes means that Siegwirk's daylight fluorescent inks are now **even more intense and luminous**. These reformulated series for UV flexoprint, UV screen print and UV letterpress are now available.

Use the new daylight fluorescent inks to transform your customers' special-offer labels into real attention-getters that cannot be overlooked. ◆

Process: UV offset
Product: Labels

New UV Offset Series for Sleeves and In-Mould Labelling

UV SICURA PLAST LM

This is an inspired combination of two successful Siegwirk series (SICURA LM 100 and SICURA PLAST SP) which retains the best properties of each.

Thanks to the use of the latest technology in photoinitiators, the UV SICURA PLAST LM series inks stand out for their **extremely low susceptibility to migration**. Moreover, they have extremely low odor properties. These inks are very easy to process, do not build up and they cure well. Their **outstanding adhesion to plastics** renders them especially suitable for sleeves and In-Mould labels as well as for labels in the food sector in general. Intensive pigmentation, minimal dot

gain, high durability and an attractive gloss are other outstanding properties of this new series. ◆

